



# Coastal Engineering Technical Note



## Bibliography for Shallow Draft Coastal Port Design

**PURPOSE:** The objective of this Coastal Engineering Technical Note is to provide a description of a draft bibliography available for Shallow Draft Coastal Port Design.

**INTRODUCTION:** One of the many U.S. Army Corps of Engineer (USACE) missions is to construct and maintain shallow draft coastal ports and harbors, which are defined as those with authorized depths less than 20 ft. USACE shallow draft projects number over 600 and can be found in all coastal regions including the Pacific west coast, the Atlantic east coast, the Gulf of Mexico, and the Great Lakes. The USACE maintains entrance channels, inner harbor channels, and protective structures associated with many shallow draft ports.

Current shallow draft harbor design practices incorporate research conducted for deep draft vessels and rules-of-thumb developed over the past 50 years. The USACE has initiated research designed to update and improve the existing design criteria for shallow draft harbors. The research work unit, "Shallow Draft Coastal Port Design," in the Navigation Hydraulics Program is being conducted at the U.S. Army Engineer Waterways Experiment Station.

**DESCRIPTION OF BIBLIOGRAPHY:** As part of this study, a literature review was conducted and a bibliography of small boat harbor design information developed. The bibliography contains over 150 references categorized under the following headings:

1. General Harbor Design
2. Entrance Channel
3. Inner Harbor
4. Sedimentation & Dredging
5. Structures
6. Vessels

7. Ice
8. Soils
9. Physical Models
10. Corps Case Histories
11. Specific Projects
12. Miscellaneous

ADDITIONAL INFORMATION: For additional information or to obtain a copy of the bibliography, contact Ms. Monica Chasten (601) 634-2072 or Ms. Kelly Crevitt at (601) 634-3039 of the Engineering Applications Unit, Engineering Development Division, Coastal Engineering Research Center.